**WHY INQUIRY IS IMPORTANT**

**WHY WE EXPLORE**

**We know from years of study that what invites our curisity are the PHENOMENA/ EXPERIENCES / PLACES /OBJECTS /PERSONS WITH CERTAIN CHARACTERISTICS**

**REFLECTIVE PAUSE**

**COMPLEXITY**

**NOVELTY**

**MYSTERY**

**FASCINATION**

**Are the characteristics that invite exploration.**

**“RESEARCH, Suggests that whatever possesses “Novelty, complexity, Uncertainty and conflict “ invites curisity exploration and investigation.**

**“How Franklin learn t olive inside his Shell even though he is sure there are creepy, crawly, and mysterious things lurking in the small dark places of his Shell. In literatura we have the essence of conflict in every story.**

**“When a child is playing with a good toy, he or she is drawn by the elements of novelty” for example with a new dollhouse, a truck.**

**“THERE is strong research that child´s play results in “Potentiating idiosyncrasy”**

**“IF WE COULD INTRODUCE MORE PLAYFUL LEARNING EXPERIENCES WHERE STUDENTS ARE MAKING THEIR OWN DECISIONS, WHERE THEY ARE TRANSFORMING OBJECTS AND EXPERIENCES INTO WHAT THEY WANT AND ARE DOING SO FAR THE FUN OF IT; IMAGINE WHAT MIGHT TRANSPIRE!**

**“WE ARE THINKING WHEN WE ASK QUESTIONS; DISCOVER INFORMATION, ANALYZE IT CRITICALLY AND FRAME OUR ANSWERS”**

**MAKE IT STICK**

* **What makes some ideas to stick??**
* **Simplicity**
* **Unexpectedness**
* **Concreteness**
* **Credibility**
* **Emotional**
* **Stories**

**BENEFITS OF INQUIRY**

**Increase the vocabulary knowledge and conceptual understanding also fostering critical thinking.**

**Inquiry oriented strategies anhanced scientific ways of thinking , talking, and writing for language learners and helped them to acquire English and reasoning skills.**

**Each unit of study provides students with rich opportunities to become directly engaged in science and science process skill, througth hands on experiences. “Students kept inquiry journals,**

**They can note the observations, questions, experiments results ( they can write in spanish but the instruction is in L2).**

**WHEN WE ENGAGE STUDENTS IN OBSERVING, QUESTIONING, TESTING, AND ANALYZING. IT CAN POSITIVELY AFFECT THEIR READING, WRITING, AND MATH ABILITIES AS WELL”.**

**THE LEP Students must be benefited from this program.**

1. **Science kits and hands on materials: trougth the process of exploration, they have the opportunity to discuss and learn about the context.**
2. **Students had longer periods to learn from each otherin cooperative setting. (asking questions to the peers)**
3. **Positive attitude towards learning , encaurage students to learn by “ Figuring it out together”.**

**OTHER DIMENSIONS OF INQUIRY**

**Engaging Important Intellectual Processes**

**When we are curious, ask questions and seek to find answers , we begin to think critically.**

**When we think critically and solve problems we are more likely to seek deeper understanding than if we memorize content.**

**IF WE ARE INTERESTED IN STUDENTS BEING ABLE TO TRANSFER AND APPLY NEW KNOWLEDGE; STUDENTS MUST THINK CRITICALLY ABOUT IT.**

**WE MUST CHALLENGE THEM WITH WHAT WE USE TO CALL “HIGHER ORDER THINKING PROCESSES”.**

**FOR EXAMPLE”**

**ON FINDING SIMILITARIES AND DIFFERENCES, GENERATING HYPOTHESES.**

**TAKING CONTROL**

**“When students asume the attitude “I can make these decisión , they experiment more sense of agency being in control of their own lives.**

**WHEN STUDENTS ASK TRIAD OF QUESTIONS:**

1. **What is my Goal?**
2. **How will I achieve?**
3. **How well Iam doing and what could I have done differently?**

**We are encouraging them to be more responsable for their own learning.HELPS students learn more, better, and with more meaningfulness.**

**Challenging students to reflect on their behavior , on the relationships between action and consecuences uses “Internal control psycology”**

**Ellen Langer (from Harvard) Works with the concept “Mindfulness” being open to new information, having potential for creating new categories, and awareness more tan one perspective. Having the power of choice is good for one´s health.**

**What does this have to do with inquiry?**

**EVERYTHING!! Because from good questions comemany opportunities to make choices about how to answer our questions.**